

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 13 BUSINESS AND ISABELLA STREET IN WICOMICO COUNTY. THE MODIFICATION SHALL CONSIST OF REMOVAL OF THE EXISTING MAINLINE BACK DETECTION LOOPS AND THE INSTALLATION OF NEW MICROLOOP PROBES. ALSO THE EXISTING PRESENCE DETECTION LOOPS SHALL BE REMOVED AND REPLACED WITH VIDEO DETECTION EQUIPMENT. THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL BE REMOVED AND A NEW NEMA "5" POLE MOUNTED CABINET AND CONTROLLER SHALL BE INSTALLED.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 5 NEMA PHASES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MR. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE W. POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	POLE MOUNTED (SIZE-5) CABINET WITH ASC 2 2100 CONTROLLER, SSM 12 E CONFLICT MONITOR, POWER SUPPLY FOR RACK MOUNTED DETECTION, AND VIDEO DETECTION INTERFACE EQUIPMENT	EA	1

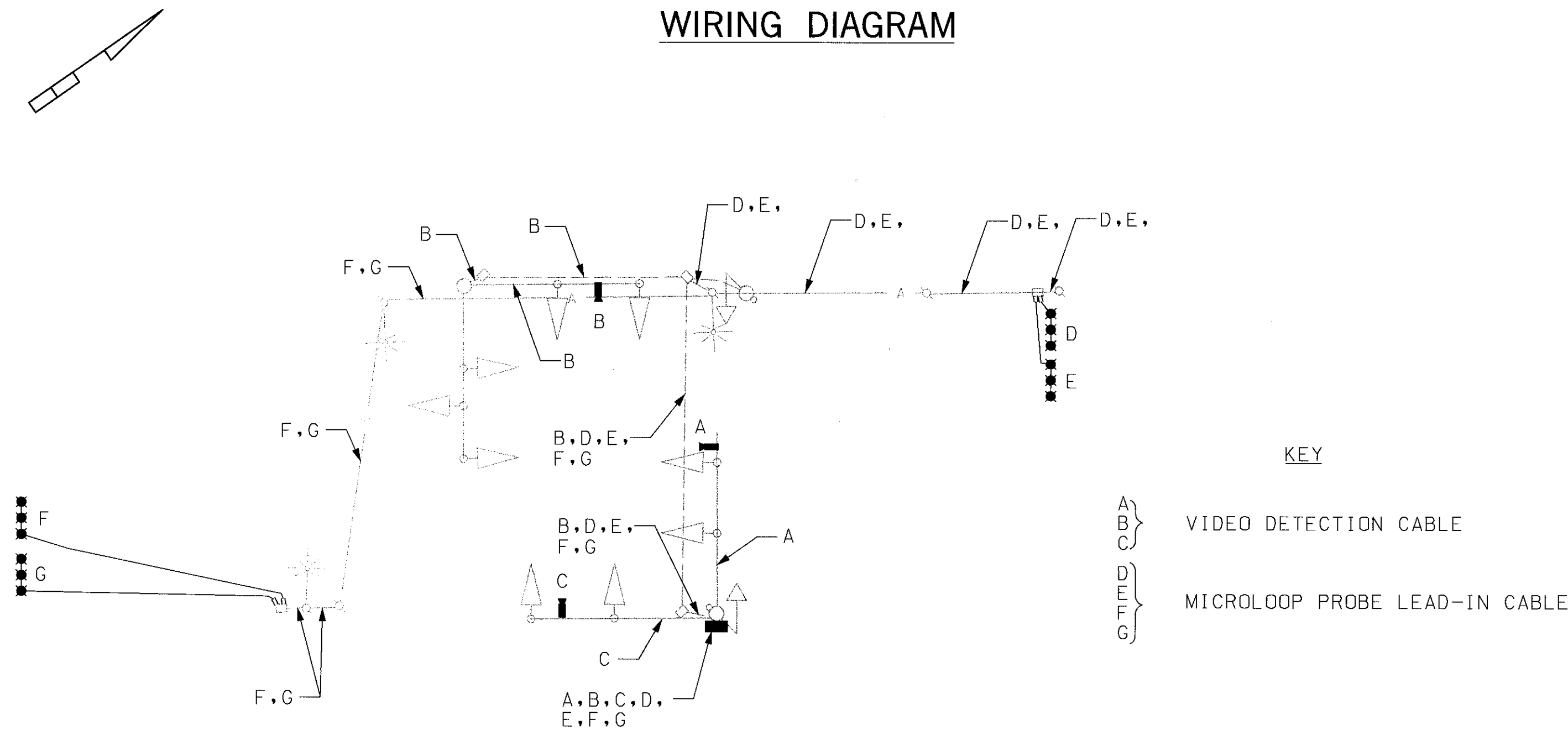
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	25
810550	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE	EA	2
810555	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	EA	2
816001	VIDEO DETECTION CAMERA	EA	2
816005	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	3
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	350
871201	INSTALL CONTROLLER AND CABINET - POLE MOUNT	EA	1

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. CONTACT ED RODENHIZER AT (410) 787-7650 AT LEAST 72 HOURS PRIOR TO REMOVAL OF EXISTING CONTROLLER TO ARRANGE FOR PICKUP. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	CONTROLLER	EA	1

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 AND 6	←G←G	←GG	G	R	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	←YG←YG	←YG	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	R	←G←G	G	R	R	DW	DW
3 CHANGE	R	R	R	R	R	Y	Y	R	R	DW	DW
PHASE 4	R	R	R	R	R	R	R	←G←G	G	DW	DW
4 CHANGE	R	R	R	R	R	R	R	Y	Y	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	R	←G←G	G	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	←G←G	G	FLDW	FLDW
4 ATL CHANGE	R	R	R	R	R	R	R	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

GP-04



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

US 13 BUSINESS AT EAST ISABELLA STREET



SABRA, WANG & ASSOCIATES, INC.
1604 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-8584
WWW.SABRA-WANG.COM

DRAWN BY: S. SMITH
CHECKED BY: J. WEAVER
SCALE: 1" = 20'
DATE: 03/03/04

F.A.P. NO.
S.H.A. NO. W1516A21
COUNTY: WICOMICO
LOG MILE: 22B01305.77

TS NO.
1943 C-6-1
SHEET NO.
7-22-04 6-22 OF